

Article

Identification of Beta-Lactamase Resistance Gene in *Salmonella* Isolated from Clinical Samples

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Abstract: *Salmonella* is one of the intestinal bacteria, gram negative, facultative anaerobic and obligate parasite, which causes many diseases in animals and is food poisoning in human. Bacterial serovars are different in terms of pathogenicity in humans and animals. The aim of this study the beta lactamase resistance gene of *Salmonella* from clinical samples has isolated. In this evaluation, human subjects of Imam Khomeini hospital and several private medical laboratories in the city were collected and after enrichment with bla DNA isolation genes were evaluated by multiplex PCR technique. *S. Typhimurium* was isolated from all samples. *S. typhimurium* strains diagnostic molecular tests are very accurate and can be implemented quickly. Evaluation of the genes mentioned in various sources is recommended.

Keywords: *Salmonella typhimurium*, clinical samples, Beta Lactamase genes, multiplex PCR